

CLAIMS

What is claimed is:

1. A method for providing a graphical representation of data, the method comprising:
 - determining a plurality of parameters from a parameter set that relates to a dynamic;
 - dividing the plurality of parameters into data groups;
 - defining a plurality of partitions for a graphical representation;
 - mapping the data groups to corresponding nodes on the plurality of partitions; and
 - connecting the nodes graphically with indicia that indicates an association between data groups.
2. The method of claim 1, comprising ordering the nodes alphanumerically.
3. The method of claim 1, comprising ordering the nodes according to an associated data value.
4. The method of claim 1, comprising spacing the nodes according to associated data values.

5. The method of claim 4, comprising providing more space for nodes with higher data value.
6. The method of claim 4, comprising connecting nodes and lines in a piece-wise fashion.
7. The method of claim 1, comprising assigning a weight to the nodes and ordering the nodes according to the weight.
8. The method of claim 1, comprising assigning a weight to the nodes and spacing the nodes according to the weight.
9. The method of claim 8, comprising providing more space for nodes with high weight.
10. The method of claim 1, wherein the graphical representation comprises real time animation.
11. The method of claim 1, comprising auto-linking the indicia.
12. The method of claim 1, comprising auto-linking the nodes.
13. The method of claim 1, comprising fading the indicia.

14. A computer system for providing a graphical representation of data, the computer system comprising:

- a parameter abstracting module that abstracts a plurality of parameters from a parameter set that relates to a dynamic;
- a parameter group dividing module that divides the plurality of parameters into data groups;
- a partition defining module that defines a plurality of partitions for a graphical representation;
- a mapping module that maps the data groups to corresponding nodes on the plurality of partitions; and
- a graphical connection module that connects the nodes graphically with indicia that indicates an association between the data groups.

15. The computer system of claim 14, comprising a node ordering module that graphically orders the nodes based on relative values of the nodes.

16. The computer system of claim 14, comprising a node weight assigning module that assigns weight values to the nodes.

17. The computer system of claim 14, comprising a node spacing module that graphically spaces the nodes.

18. The computer system of claim 14, comprising a real time animation module that provides real time animation of the plurality of parameters.

19. The computer system of claim 15, comprising an auto-link module that provides auto-linking of the indicia.

20. A computer system for providing a graphical representation of data, the computer system comprising:

means for abstracting a plurality of parameters from a parameter set that

relates to a dynamic;

means for dividing the plurality of parameters into data groups;

means for defining a plurality of partitions for a graphical representation;

means for mapping the data groups to corresponding nodes on the plurality of partitions; and

means for connecting the nodes graphically with indicia that indicates an association between data groups.

21. The computer system of claim 20, comprising a means for assigning node weight.

22. The computer system of claim 20, comprising a means for graphically spacing the nodes.

23. A computer program, comprising:

a tangible medium;

a parameter abstracting module stored on the tangible medium, the parameter abstracting module being adapted to abstract a plurality of parameters from a parameter set that relates to a dynamic;

a parameter group dividing module stored on the tangible medium, the parameter abstracting module being adapted to divide the plurality of parameters into data groups;

a partition defining module stored on the tangible medium, the parameter abstracting module being adapted to define a plurality of partitions for a graphical representation;

a mapping module stored on the tangible medium, the mapping module being adapted to map the data groups to corresponding nodes on a plurality of partitions; and

a graphical connection module stored on the tangible medium, the graphical connection module being adapted to connect the nodes graphically with indicia that indicates an association between the data groups.